| Ref<br># | Hits | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|---|---|---------------------|---------|------------------|
| L1       | 0    | ("(dividedwallordividingwallcolumn<br>)and(elasticorresilient)andintake").<br>PN: | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/04/25 17:21 |
| L2       | 8    | (divided wall or dividing wall)<br>near5 column and (elastic or<br>resilient)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:22 |
| L3       | 365  | (divided wall or dividing wall) and distil\$8                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:23 |
| L4       | 55   | l3 and (elastic or resilien\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:24 |
| L5       | 106  | (divided wall or dividing wall)<br>near5 distill\$6                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:24 |
| L6       | 31   | I5 and (elast\$6 or resili\$7 or spring\$6 or oversiz\$5 or siz\$5)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:34 |
| L7       | 115  | rust-harald.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:35 |
| L8       | 46   | 7 and distill\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:35 |
| L9       | 12   | 8 and divid\$5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:36 |



## **PALM INTRANET**

Day : Monday Date: 4/25/2005

Time: 17:37:51

## **Inventor Name Search Result**

Your Search was:

Last Name = RUST First Name = HARALD

| Application#    | Patent#       | Status | Date Filed | Title  | Inventor<br>Name |
|-----------------|---------------|--------|------------|--|------------------|
| <u>06710560</u> | Not<br>Issued | 161    | 03/11/1985 | RECEPTACLE FOR STORING OR<br>TRANSPORTING OBJECTS OR<br>MATERIALS, SUCH AS CONTAINERS,<br>PALLETS,ETC. | RUST,<br>HARALD  |
| <u>07346714</u> | 4967013       | 150    | 05/03/1989 | PREPARATION OF<br>HYDROXYBENZALDEHYDES   | RUST,<br>HARALD  |
| <u>07381469</u> | 4950763       | 150    | 07/18/1989 | PREPARATION OF KETONES   | RUST,<br>HARALD  |
| <u>07566677</u> | 5002639       | 150    |            | •  | RUST,<br>HARALD  |
| 07990285        | Not<br>Issued | 166    | 12/14/1992 | PURIFICATION OF ESTERS OF<br>TETRAHYDRO-PYRAN-4-<br>CARBOXYLIC ACID                                    | RUST,<br>HARALD  |
| <u>08018496</u> | 5342488       | 150    | 02/17/1993 | SEPARATION OF 1,4-BUTANEDIOL<br>FROM HYDROGENATION MIXTURES  | RUST,<br>HARALD  |
| 08185179        | 5414097       | 150    | 01/24/1994 | PURIFICATION OF ESTERS OF<br>TETRAHYDRO-PYRAN-4-<br>CARBOXYLIC ACID                                    | RUST,<br>HARALD  |
| <u>08510568</u> | 5603813       | 250    | 08/02/1995 | PURIFYING DISTILLATION OF VINYL<br>FORMATE   | RUST,<br>HARALD  |
| <u>08614682</u> | 5670639       | 150    | 03/13/1996 | PREPARATION OF N-VINYLLACTAMS  | RUST,<br>HARALD  |
| 09011700        | 5985100       | 150    | 02/17/1998 | PROCESS FOR SEPARATING BUTANOL<br>AND DIBUTYL ETHER BY MEANS OF<br>DUAL-PRESSURE DISTILLATION          | RUST,<br>HARALD  |
| 09015795        | Not<br>Issued | 161    |            | PREPARATION OF AROMATIC<br>KETONES   | RUST,<br>HARALD  |
| <u>09125974</u> | 5981769       | 150    | 08/28/1998 | PROCESS FOR PREPARING 1,6<br>HEXANE DIOL AND CAPROLACTON   | RUST,<br>HARALD  |
| <u>09125976</u> | 6008418       | 150    | 08/28/1998 | PROCESS FOR PREPARING 1,6  | RUST,            |

|                 |               |     |            | HEXANE DIOL WITH A LEVEL OF<br>PURITY OVER 99 %  | HARALD          |
|-----------------|---------------|-----|------------|--|-----------------|
| 09180580        | 6013803       | 150 | 11/12/1998 | STERICALLY HINDERED 4-AMINO-<br>PIPERIDINE WITH A LOW DIMER<br>CONTENT, ITS PRODUCTION AND USE   | RUST,<br>HARALD |
| <u>09180626</u> | 6011157       | 150 | 11/12/1998 | PROCESS FOR PURIFYING<br>STERICALLY HINDERED 4-AMINO<br>PIPERIDINES  | RUST,<br>HARALD |
| 09254560        | 6251229       | 150 | 03/10/1999 | PROCESS FOR THE SEPARATION OF 2-<br>AMINOMETHYLCYLOPENTYLAMINE<br>FROM A MIXTURE CONTAINING<br>HEXAMETHYLDIAMINE AND 2-<br>AMINOMETHYLCYCLOPENTYLAMINE | RUST,<br>HARALD |
| 09341946        | 6204408       | 150 | 07/21/1999 | METHOD FOR SEPARATING 6-<br>AMINOCAPRONITRILE FROM<br>MIXTURES CONTAINING 6-<br>AMINOCAPRONITRILE AND AN IMINE   | RUST,<br>HARALD |
| 09455161        | 6316680       | 150 | 12/06/1999 | ISOLATION OF ALPHA-ETHYNYL<br>CARBINOLS BY DISTILLATION  | RUST,<br>HARALD |
| 09677862        | 6380443       | 150 | 10/03/2000 | PREPARATION OF 1,3-DIOLS   | RUST,<br>HARALD |
| 09847299        | Not<br>Issued | 071 | 05/03/2001 | DIVIDING WALL COLUMN   | RUST,<br>HARALD |
| 09913979        | Not<br>Issued | 092 | 01/18/2002 | METHOD FOR PREPARING<br>ACETYLENE ALCOHOLS AND THEIR<br>SECONDARY PRODUCTS   | RUST,<br>HARALD |
| 10018338        | 6727395       | 150 | 12/19/2001 | METHOD FOR PRODUCING<br>HEXANEDIOL   | RUST,<br>HARALD |
| 10168980        | 6692616       | 150 | 06/26/2002 | METHOD FOR PURIFYING TRIMETHYLOLPROPANE, WHICH IS PRODUCED BY HYDROGENATION, BY MEANS OF CONTINUOUS DISTILLATION                                       | RUST,<br>HARALD |
| 10207894        | Not<br>Issued | 168 | 07/31/2002 | PROCESS FOR THE CONTINUOUS PREPARATION OF SUBSTITUTED OXAZOLES   | RUST,<br>HARALD |
| 10209529        | Not<br>Issued | 168 | 08/01/2002 | PROCESS FOR THE PREPARATION OF SUBSTITUTED OXAZOLES  | RUST,<br>HARALD |
| 10300629        | 6713630       | 150 | 11/21/2002 | CONTINUOUS PREPARATION OF SUBSTITUTED OXAZOLES   | RUST,<br>HARALD |
| 10348961        | Not<br>Issued | 094 | 01/23/2003 | PROCESS FOR THE PREPARATION OF SUBSTITUTED OXAZOLES  | RUST,<br>HARALD |

| 10451738 | Not<br>Issued | 030 |            | METHOD AND DEVICE FOR THE<br>DISTILLATIVE PROCESSING OF 1,6-<br>HEXANDIOL, 1,5-PENTADIOL AND<br>CAPROLACTONE | RUST,<br>HARALD |
|----------|---------------|-----|------------|--|-----------------|
| 10505705 | Not<br>Issued | 092 |            | METHOD FOR THE PRODUCTION OF CYCLOHEXANOL FROM BENZOLE   | RUST,<br>HARALD |
| 10726183 | Not<br>Issued | 030 | 12/03/2003 | CONTINUOUS PREPARATION OF SUBSTITUTED OXAZOLES   | RUST,<br>HARALD |

Inventor Search Completed: No Records to Display.

|                 | Last Name | First Name |        |
|-----------------|-----------|------------|--------|
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## **PALM INTRANET**

Day : Monday Date: 4/25/2005

Time: 17:38:43

## **Inventor Name Search Result**

Your Search was:

Last Name = KAIBEL · First Name = GERD

|                 | <del></del> |        |            |  |               |
|-----------------|-------------|--------|------------|--|---------------|
| Application#    | Patent#     | Status | Date Filed | Title  | Inventor Name |
| 06099760        | 4262140     | 150    | 12/03/1979 | PRODUCTION OF ANHYDROUS<br>OR SUBSTANTIALLY<br>ANHYDROUS FORMIC ACID   | KAIBEL, GERD  |
| 06131501        | 4326073     | 150    | 03/18/1980 | PRODUCTION OF ANHYDROUS<br>OR SUBSTANTIALLY<br>ANHYDROUS FORMIC ACID   | KAIBEL, GERD  |
| 06163401        | 4310705     | 150    |            | PREPARATION OF HIGHER<br>UNSATURATED KETONES   | KAIBEL, GERD  |
| <u>06255429</u> | 4383893     | 150    | 04/20/1981 | DISTILLATIVE SEPARATION<br>OF LIQUID MIXTURES<br>CONTAINING ALIPHATIC<br>ALCOHOLS  | KAIBEL, GERD  |
| 06259655        | 4388154     | 150    | 05/01/1981 | ISOLATION OF ACETALDEHYDE AND METHANOL FROM REACTION MIXTURES RESULTING FROM THE HOMOLOGIZATION OF METHANOL                          | KAIBEL, GERD  |
| 06263470        | 4370491     | 150    | 1          | CONTINUOUS PREPARATION<br>OF ACETIC ACID ESTERS  | KAIBEL, GERD  |
| 06315726        | 4399001     | 150    | 10/28/1981 | SEPARATING OFF ORGANIC IODINE COMPOUNDS FROM ACETALDEHYDE-FREE CARBONYLATION PRODUCTS OF METHANOL, METHYL ACETATE AND DIMETHYL ETHER | KAIBEL, GERD  |
| <u>06316301</u> | 4383894     | 150    | 10/29/1981 | REMOVAL OF ORGANIC<br>IODINE COMPOUNDS FROM<br>ACETALDEHYDE  | KAIBEL, GERD  |
| 06347578        | 4659866     | 150    | 02/10/1982 | CONTINUOUS PREPARATION OF FORMAMIDE  | KAIBEL, GERD  |
| 06348199        | Not         | 166    | 02/12/1982 | REMOVAL OF ORGANIC   | KAIBEL, GERD  |

|                 | Issued        |     |            | IODINE COMPOUNDS FROM CARBONYLATION PRODUCTS OF METHANOL, METHYL ACETATE AND DIMETHYL ETHER  |              |
|-----------------|---------------|-----|------------|--|--------------|
| 06393632        | Not<br>Issued | 161 | 06/30/1982 | RECOVERY OF TRIMETHYL<br>BORATE FROM METHANOL-<br>CONTAINING MIXTURES  | KAIBEL, GERD |
| 06420485        | 4720327       | 150 | 09/20/1982 | DISTILLATIVE SEPARATION<br>OF LIQUID MIXTURES OF<br>SUBSTANCES   | KAIBEL, GERD |
| 06496573        | 4517391       | 150 | 05/20/1983 | CONTINUOUS PREPARATION<br>OF ETHANOL   | KAIBEL, GERD |
| 06572861        | Not<br>Issued | 168 | 01/23/1984 | DISTILLATION COLUMN FOR<br>SEPARATING A FEED<br>CONSISTING OF SEVERAL<br>FRACTIONS   | KAIBEL, GERD |
| 06580720        | Not<br>Issued | 161 | 02/16/1984 | PREPARATION OF TRIMETHYL<br>BORATE   | KAIBEL, GERD |
| 06601322        | Not<br>Issued | 168 | 04/17/1984 | CARRYING OUT CHEMICAL REACTIONS AND SIMULTANEOUSLY SEPARATING A PRODUCT MIXTURE INTO SEVERAL FRACTIONS BY MEANS OF A DISTILLATION COLUMN | KAIBEL, GERD |
| 06614280        | 4551208       | 150 | 05/25/1984 | RECOVERY OF FORMIC ACID<br>BY DISTILLATION   | KAIBEL, GERD |
| 06636235        | Not<br>Issued | 161 | 07/31/1984 | SEPARATION OF AN AZEOTROPIC MIXTURE BY DISTILLATION IN A DISTILLATION COLUMN BY A PROCEDURE SIMILAR TO EXTRACTIVE DISTILLATION           | KAIBEL, GERD |
| 06664769        | Not<br>Issued | 168 | 10/25/1984 | RECOVERY OF A<br>CONJUGATED DIOLEFIN<br>AND/OR AN OLEFIN FROM A<br>C4- OR C5- HYDROCARBON<br>MIXTURE                                     | KAIBEL, GERD |
| <u>06717156</u> | Not<br>Issued | 161 |            | OBTAINING ANHYDROUS OR<br>SUBSTANTIALLY<br>ANHYDROUS FORMIC ACID<br>BY HYDROLYSIS OF METHYL<br>FORMATE                                   | KAIBEL, GERD |
| 07023990        | 4908477       | 150 | 11 1       | REMOVAL OF ORGANIC<br>IODINE COMPOUNDS FROM  | KAIBEL, GERD |

|                 |               |     |            | CARBONYLATION PRODUCTS<br>OF METHANOL METHYL<br>ACETATE AND DIMETHYL<br>ETHER                            | ·            |
|-----------------|---------------|-----|------------|--|--------------|
| 07170402        | 4859286       | 150 | 03/18/1988 | ISOLATION OF 1,3-BUTADIENE   | KAIBEL, GERD |
| 07457943        | 4994152       | 150 | 12/27/1989 | REMOVAL OF SMALL<br>AMOUNTS OF A MEDIUM-<br>BOILING FRACTION FROM A<br>LIQUID MIXTURE BY<br>DISTILLATION | KAIBEL, GERD |
| 08102753        | Not<br>Issued | 166 | 08/06/1993 | CARRYING OUT BATCHWISE<br>DISTILLATIVE SEPARATIONS   | KAIBEL, GERD |
| 08269077        | Not<br>Issued | 168 | 06/30/1994 | CARRYING OUT DISTILLATIVE<br>SEPARATIONS BY A<br>BATCHWISE PROCEDURE                                     | KAIBEL, GERD |
| <u>08293956</u> | Not<br>Issued | 166 | 08/24/1994 | DISTILLATION COLUMN FOR<br>SEPARATING A LIQUID<br>MIXTURE INTO A PLURALITY<br>OF PURE FRACTIONS          | KAIBEL, GERD |
| 08435530        | Not<br>Issued | 168 | 05/05/1995 | CARRYING OUT BATCHWISE<br>DISTILLATIVE SEPARATION  | KAIBEL, GERD |
| 08439903        | Not<br>Issued | 166 | 05/12/1995 | DISTILLATIVE SEPARATION<br>OF MIXTURES AND<br>APPARATUS FOR THIS<br>PURPOSE                              | KAIBEL, GERD |
| 08532851        | Not<br>Issued | 168 | ll l       | PREPARATION OF<br>METHYLGLYOXAL DIMETHYL<br>ACETAL   | KAIBEL, GERD |
| 08674973        | 5785819       | 150 | 07/03/1996 | DISTILLATION COLUMN FOR<br>SEPARATING A LIQUID<br>MIXTURE INTO A PLURALITY<br>OF PURE FRACTIONS          | KAIBEL, GERD |
| 08743077        | 5897748       | 150 | 11/04/1996 | DISTILLATIVE SEPARATION<br>OF MIXTURES AND<br>APPARATUS FOR THIS<br>PURPOSE                              | KAIBEL, GERD |
| 08820001        | 5939589       | 150 | 03/18/1997 | PROCESS AND REACTOR FOR<br>CARRYING OUT CONVERSION<br>WITH CATALYSTS<br>SUSPENDED IN LIGUIDS             | KAIBEL, GERD |
| <u>08845226</u> | 5914012       | 150 |            | DIVIDING WALL COLUMN FOR<br>CONTINUOUS<br>FRACTIONATION OF<br>MULTICOMPONENT<br>MIXTURES BY DISTILLATION | KAIBEL, GERD |

| 08845556        | 6214172 | 150 |            | PREPARATION OF<br>METHYLGLYOXAL DIMETHYL<br>ACETAL   | KAIBEL, GERD |
|-----------------|---------|-----|------------|--|--------------|
| 08955076        | 6054628 | 150 |            | REACTING GRIGNARD<br>COMPOUNDS WITH<br>CARBONYL COMPOUNDS AND<br>ENSUING HYDROLYSIS          | KAIBEL, GERD |
| 08957322        | 6211114 | 150 |            | CATALYST AND PROCESS FOR PREPARING 2-BUTEN-1-OL COMPOUNDS                                    | KAIBEL, GERD |
| 08978010        | 6013842 | 150 |            | PREPARATION OF GLYOXAL<br>MONOACETALS  | KAIBEL, GERD |
| 09068978        | 5965751 | 150 |            | PROCESS FOR<br>HYDROGENATION OF<br>DIHYDROFURANS TO GIVE<br>TETRAHYDROFURANS                 | KAIBEL, GERD |
| 09202474        | 6297415 | 150 |            | CATALYTIC DISTILLATION PROCESS   | KAIBEL, GERD |
| 09275867        | 6150564 | 150 | 03/25/1999 | SELECTIVE LIQUID-PHASE<br>HYDROGENATION OF ALPHA,<br>BETA-UNSATURATED<br>CARBONYL COMPOUNDS  | KAIBEL, GERD |
| 09284209        | 6262317 | 150 | 04/09/1999 | PROCESS FOR PREPARING 1,4-<br>BUTANEDIOL BY CATALYTIC<br>HYDROGENATION OF 1,4-<br>BUTINEDIOL | KAIBEL, GERD |
| 09284247        | 6375920 | 150 | 04/15/1999 | PROCESS FOR THE<br>MANUFACTURE OF<br>HYDROGEN PEROXIDE                                       | KAIBEL, GERD |
| 09391619        | 6329554 | 150 | 09/07/1999 | CONTINUOUS PREPARATION<br>OF UNSATURATED KETONES   | KAIBEL, GERD |
| <u>09404548</u> | 6175044 | 150 | 09/24/1999 | PREPARATION OF CITRAL  | KAIBEL, GERD |
| 09424847        | 6518441 | 150 | 12/06/1999 | METHOD FOR OXIDIZING AN ORGANIC COMPOUND CONTAINING AT LEAST ONE C-C DOUBLE BOND             | KAIBEL, GERD |
| 09440280        | 6307106 | 150 | 11/15/1999 | PROCESS FOR PREPARING<br>UNSATURATED KETONES   | KAIBEL, GERD |
| 09440281        | 6300524 | 150 | 11/15/1999 | PROCESS FOR PREPARING<br>HIGHER UNSATURATED<br>KETONES                                       | KAIBEL, GERD |
| 09538503        | 6387222 | 150 | 03/30/2000 | CONTINUOUS ISOLATION OF A<br>HIGH-MELTING MATERIAL BY<br>DISTILLATION                        | KAIBEL, GERD |

| 09622852 | 6521767 | 150 |            | METHOD FOR SUSPENSION HYDROGENATION OF AN ANTHRAQUINONE COMPOUND IN A SPECIAL REACTOR IN ORDER TO PRODUCE HYDROGEN PEROXIDE | KAIBEL, GERD |
|----------|---------|-----|------------|---|--------------|
| 09625486 | 6427985 | 150 | 07/25/2000 | STRUCTURED PACKING FOR<br>HEAT EXCHANGE AND MASS<br>TRANSFER  | KAIBEL, GERD |

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|----------|------|---|---|---------------------|---------|------------------|
| L1       | 0    | ("(dividedwallordividingwallcolumn<br>)and(elasticorresilient)andintake").<br>PN: | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR                  | OFF     | 2005/04/25 17:21 |
| L2       | 8    | (divided wall or dividing wall)<br>near5 column and (elastic or<br>resilient)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:22 |
| L3       | 365  | (divided wall or dividing wall) and distil\$8                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:23 |
| L4       | 55   | I3 and (elastic or resilien\$6)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:24 |
| L5       | 106  | (divided wall or dividing wall)<br>near5 distill\$6                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:24 |
| L6       | 31   | I5 and (elast\$6 or resili\$7 or spring\$6 or oversiz\$5 or siz\$5)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:34 |
| L7       | 115  | rust-harald.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:35 |
| L8       | 46   | 7 and distill\$6  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:35 |
| L9       | 12   | 8 and divid\$5  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:39 |
| L10      | 138  | kaibel-gerd.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:39 |
| E11      | 102  | 10 and distill\$7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:39 |
| L12      | 37   | 11 and divid\$5   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2005/04/25 17:40 |